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2 **§112 Rejections**

3 Claims 1-4-12, 16-21 and 24-28 stand rejected under 35 U.S.C. §112, first
4 paragraph as failing to comply with the written description requirement. This
5 rejection also flows from language that was previously added, which is now
6 removed. Again, Applicant's removal of the previously amended subject matter is
7 not to be seen as an admission as to the propriety of the Office's rejection. Rather,
8 such material has been removed in view of the amendments that are presently
9 made. That is, given the Office's interpretation of Scott and the clarification that
10 has been made in the claims, the previously-added subject matter is not necessary
11 to defined over Scott.

12
13 **§101 Rejections**

14 Claims 21 and 24-28 stand rejected under 35 U.S.C. §101 as being directed
15 to non-statutory subject matter. Specifically, the Office argues that the claims, as
16 written, can pertain to carrier waves. Applicant has amended claim 21 to recite
17 that the computer readable media is a "computer readable storage media".
18 Support for this amendment can be found on page 17, lines 8-16 of the
19 Specification.

20
21 **§ 103 Rejections**

22 Claims 1, 4-12, 16-21 and 24-28 are rejected under 35 U.S.C. § 103(a) as
23 being obvious over David Scott and Richard Sharp, Abstracting Application-Level
24 Web Security, May 7-11, 2002 (hereinafter, "Scott") in view of Wheeler, Secure
25 Programming for Linux and Unix HOWTO.

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2 **Claim 1** (as amended) recites a method, comprising:

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- 4 • receiving data input through a web page from a client device;
 - 5 • referencing a declarative module to determine a client input security screen to apply to the data input from the client device, wherein the declarative module comprises:
 - 6 • a global section that includes at least one client input security screen that applies to any type of client input value; and
 - 7 • an individual values section that includes at least one client input security screen that applies to a particular type of client input value; and
 - 8 • applying multiple client input security screens to the data input from the client device, including at least one client input security screen from the global section of the declarative module and at least one client input security screen from the individual values section of the declarative module, wherein the client input security screens are distinct from one another, *and wherein said act of referencing comprises first using the global section to screen one or more client input values and then using the individual values section to screen at least one of said one or more client input values.*
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15 This claim has been amended to recite that the act of referencing first uses
16 the global section to screen one or more client input values and *then* uses the
17 individual values section to screen at least one of the one or more client input
18 values. Support for this subject matter can be found, among other places, on page
19 9, line 6 through page 10, line 20.

20 As discussed during the interview, Scott does not first use a global section
21 to screen input values and then use an individual values section to screen at least
22 one of the client input values. In point of fact, Scott would appear to teach directly
23 away from any such notion. Specifically, the Office has characterized Scott's
24 transformations as a "global section" and its validation constraints as an
25 "individual value section". Yet, Scott instructs in section 3.4 entitled "The

1 Security Gateway” that the validation constraints are first employed (i.e. what the
2 Office considers as the “individual value section”) and then the transformations
3 are employed (i.e. what the Office considers as the “global section”).

4 Accordingly, for all of these reasons, this claim is allowable.

5 **Claims 4-11** are allowable at least by virtue of their dependence from an
6 allowable base claim.

7 **Claim 12** (as amended) recites a system, comprising:

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- 9 • a web page server unit configured to provide one or more web
10 pages to one or more client devices over a distributed
11 network;
- 12 • means for receiving client input data;
- 13 • a declarative module configured to include multiple client
14 input security screens that declare screening rules for client
15 input, wherein the declarative module comprises:
- 16 • a global section that includes one or more client input security
17 screens that are applied to all types of client input; and
- 18 • an individual values section that includes one or more client
19 input security screens that are applied to specified types of
20 client input; and
- 21 • a client input security screening unit configured to apply the
22 screening rules for client input to the client input data and to
23 perform one or more actions on invalid client input data,
24 wherein the screening rules are from distinct client input
25 security screens from the global section and the individual
values section, *and wherein the client input security
screening unit is configured to first use the global section to
screen one or more client input values and then use the
individual values section to screen at least one of said one or
more client input values.*

23 This claim has been amended to recite that the client input security
24 screening unit is configured to first use the global section to screen one or more
25 client input values and then use the individual values section to screen at least one

1 of said one or more client input values. For all of the reasons set forth above with
2 regard to the allowability of claim 1, this claim is allowable.

3 **Claims 16-20** are allowable at least by virtue of their dependence from an
4 allowable base claim, as well as for their own respectively patentable subject
5 matter.

6 **Claim 21** (as amended) recites one or more computer-readable storage
7 media containing computer-executable instructions that, when executed on a
8 computer, perform the following steps:

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- 10 • serving a web page to a client over a distributed network;
- 11 • receiving client input via the web page;
- 12 • comparing the client input with multiple and distinct client input
13 security screens stored in a security declarative module, wherein the
14 security declarative module includes a global section configured to
15 screen all types of client input values and an individual values section
16 configured to screen particular types of client input values, *wherein the
17 global section is used to first screen one or more client input values
18 and then the individual values section is used to screen at least one of
19 the one or more client input values;*
- 20 • if invalid client input is detected, performing a screening action on the
21 invalid client input as indicated by the security declarative module; and
- 22 • wherein the client input security screens included in the security
23 declarative module can be applied to multiple web pages.
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19 This claim has been amended to recite that the global section is used to first
20 screen one or more client input values and then the individual values section is
21 used to screen at least one of the one or more client input values. For all of the
22 reasons set forth above with regard to the allowability of claim 1, this claim is
23 allowable.

24 **Claims 24-28** are allowable at least by virtue of their dependence from an
25

1 allowable base claim, as well as for their own respectively patentable subject
2 matter.

3
4 **Conclusion**

5 The pending claims are in condition for allowance and action to that end is
6 respectfully requested. Should any issue remain that prevents allowance of the
7 application, the Office is encouraged to contact the undersigned prior or issuance
8 of a subsequent Office action.

9
10 Respectfully submitted,

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12 Dated: 3/15/2007

13 By: /Lance R. Sadler/
14 Lance R. Sadler
15 Reg. No. 38,605
16 (509) 755-7251
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